

Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. <b>15670-045US1</b>	Application No. <b>10/519,818</b>
<b>Information Disclosure Statement by Applicant</b> (Use several sheets if necessary)  (37 CFR §1.98(b))		Applicant <b>Mohan M. Trivedi et al.</b>	
		Filing Date <b>February 15, 2006</b>	Group Art Unit <b>Unknown</b>

U.S. Patent Documents							
Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
	AA	2002/0097848	July 25, 2002	Wesemann			
	AB	2002/0122113	Sept 5, 1002	Foote			
	AC	2002/0191071	Dec 19, 2002	Rui et al.			
	AD	2003/0103647	June 5, 2003	Rui et al.			
	AE	5,145,112	Sept 8, 1992	Ueda			
	AF	5,185,667	Feb. 9, 1003	Zimmerman			
	AG	5,846,139	Dec 8, 1998	Bair et al.			
	AH	5,903,782	May 11, 1999	Oxaal			
	AI	6,038,367	Mar 14, 2000	Abecassis			
	AJ	6,292,776	Sept 18, 2001	Chengalvarayan			
	AK	6,337,708	Jan 8, 2002	Furlan et al.			
	AL	6,346,967	Feb. 12, 2002	Gullichsen et al.			
	AM	6,361,507	Mar 26, 2002	Foxlin			
	AN	6,369,818	Apr. 9, 2002	Hoffman et al.			

Foreign Patent Documents or Published Foreign Patent Applications								
Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
	AO							

Other Documents (include Author, Title, Date, and Place of Publication)		
Examiner Initial	Desig. ID	Document
	AP	Belhumeur, J.P. Hespanha, and D.J. Kriegman, "Eigenfaces vs. Fisherfaces: Recognition Using Class Specific Linear Projection," IEEE Transactions on Pattern Analysis and Machine Intelligence. Vol. 19, No. 7, pp. 711-720, Jul. 1997
	AQ	Beymer, D., "Face Recognition Using Varying Pose," Proc. 1994 IEEE Conf. on CVPR., pp. 756-761, Jun. 1994
	AR	Bregler, C. and J. Malik, "Tracking People with Twists and Exponential Maps, " Proc. IEEE Conf. on Comp. Vis. Patt. Recog., pp. 8-15, 1998
	AS	Bregler, C., "Learning and Recognizing Human Dynamics in Video Sequences," Proc. IEEE Conf. on CVPR, Jun. 1997, pp. 568-574

Examiner Signature	Date Considered
EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 15670-045US1	Application No. 10/519,818
<b>Information Disclosure Statement by Applicant</b> (Use several sheets if necessary)		Applicant Mohan M. Trivedi et al.	
		Filing Date February 15, 2006	Group Art Unit Unknown
(37 CFR §1.98(b))			

Other Documents (include Author, Title, Date, and Place of Publication)		
Examiner Initial	Desig. ID	Document
	AT	Chandrasekaran, S., B.S. Manjunath, Y.F. Wang, J. Winkeler, and H. Zhang, "An Eigenspace Update Algorithm for Image Analysis," Graph. Models and Image Processing. Vol. 59, No. 5, pp. 321-332, Sep. 1997.
	AU	Donato, G., M. Bartlett, J. Hager, P. Ekman, and T. Sejnowski, "Classifying Facial Actions," IEEE Trans. On PAMI, Vol. 21, No. 10, pp. 974-989, Oct. 1999
	AV	Gavrilla, D. and L.S. Davis, "3D Model-based Tracking of Humans in Action: A Multi-view Approach," Proc. IEEE Conf. on CVPR, p. 73-80, 1996.
	AW	Haritaoglu, I., D. Harwood, and L. Davis, "W4: Who? When? Where? What? A Real Time System for Detecting and Tracking People," Proc. IEEE Int'l. Conf. on Automatic Face and Gesture Recognition, Nara, Japan, pp. 222-227, Apr. 1998.
	AX	Horprasert, T., I. Haritaoglu, D. Harwood, L. Davis, C. Wren, and A. Pentland, "Real-Time 3D Motion Capture," Proc. PUI, Nov. 1998, 4 pages
	AY	Huang, K. and M. Trivedi "Networked Omnivision Arrays for Intelligent Environment," Proc. SPIE Conf. on Applications and Science of Neural Networks, Fuzzy Systems, and Evolutionary Computation IV, Vol. 4479, pp. 129-134, Jul.-Aug. 2001.
	AZ	Huang, K. and M. Trivedi, "Streaming Face Recognition using Multicamera Video Arrays," Proceedings of the 16 <sup>th</sup> International Conference on Pattern Recognition, ICPR 2002, Volume IV: Thursday, August 15, 2002, pp. 213-216
	BA	Huang, K.S. and M.M. Trivedi, "Driver Head Pose and View Estimation with Single Omnidirectional Video Stream," Proceedings of the 1 <sup>st</sup> International Workshop on In-Vehicle Cognitive Computer Vision Systems, in conjunction with the 3 <sup>rd</sup> International Conference on Computer Vision Systems, Graz, Austria, pp. 44-51, April 3, 2003
	BB	Huang, K.S. and M.M. Trivedi, "Video arrays for real-time tracking of person, head, and face in an intelligent room," Machine Vision and Applications 14: 103-111 (2003)
	BC	Huang, K.S. and M.M. Trivedi, "Video Arrays for Real-Time Tracking of Persons, Head and Face in an Intelligent Room," Machine Visions and Applications, Omnidirectional Vision, Special Issue, October 2001 (25 pages)
	BD	Juang, B.H., "Maximum-Likelihood Estimation for Mixture Multivariate Stochastic Observations of Markov Chains," AT & T Tech. J. Vol. 64, No. 6, pp. 1235-1249, Aug. 2000
	BE	Mikic, I., K. Huang, and M. M. Trivedi, "Activity Monitoring and Summarization for an Intelligent Meeting Room," Proc. IEEE Workshop on Human Motion, pp. 107-112, Dec. 2000.
	BF	Mikic, I., M. M. Trivedi, E. Hunter, and P. Cosman, "Articulated Body Posture Estimation from Multi-Camera Voxel Data IEEE," Int'l. Conf. on Comp. Vis. And Patt. Recog. Kauai, Hawaii, Dec. 2001, pp. I-455 - I-460
	BG	Nayar, S., "Catadioptric Omnidirectional Camera," Proc. IEEE Conf. on Comp. Vis. Patt. Recog., pp. 482-488, Jun. 1997.
	BH	Naynr, S., and T. Boulton, "Omnidirectional Vision Systems: 1998 PI Report," Proc. DARPA Image Understanding Workshop, Monterey, CA, Nov. 20-23, 1998, pp. 93-99
	BI	Onoe, Y., N. Yokoya, K. Yamazawa, and H. Takekura, "Visual Surveillance and Monitoring System Using an Omnidirectional Video Camera," Proc. Int'l. Conj on Patt. Recog., pp. 588-592, Aug. 1998.
	BJ	Pentland, A., T. Choudhury, "Face Recognition for Smart Environments," IEEE Computer, vol. 33, no. 2, pp. 50-55, Feb 2000

Examiner Signature	Date Considered
EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 15670-045US1	Application No. 10/519,818
<b>Information Disclosure Statement by Applicant</b> (Use several sheets if necessary)  (37 CFR §1.98(b))		Applicant Mohan M. Trivedi et al.	
		Filing Date February 15, 2006	Group Art Unit Unknown

Other Documents (include Author, Title, Date, and Place of Publication)		
Examiner Initial	Desig. ID	Document
	BK	Prati, A., I. Mikic, C. Grana, and M. Trivedi, "Shadow Detection Algorithms for Traffic Flow Analysis: A Comparative Study," IEEE Intelligent Transportation Systems Conference Proceedings, Oakland, CA August. 25-29, 2001, pp. 340-345
	BL	Rabiner, L., "A Tutorial on Hidden Markov Models and Selected Applications in Speech Recognition," Proc. IEEE. Vol. 77, No. 2, pp. 257-286, Feb. 1989
	BM	Sogo, T. et al., "N-Ocular Stereo for Real-Time Human Tracking," in Panoramic Vision (R. Benosman and S.B. Kang (Eds.), Springer-Verlag, pp. 359-375 (2001)
	BN	Sogo, T. et al. "Real-Time Target Localization and Tracking by N-Ocular Stereo," Proc. IEEE Workshop on Omnidirectional Vision, pp. 153-160 (June 2000)
	BO	Stiefelhagen, R., J. Yang, and A. Waibel, "Simultaneous Tracking of Head Poses in a Panoramic View," Proc. Int'l Conf on Patt. Recog., Sep. 2000.
	BP	Trivedi, M.M., K. Huang, and I. Mikic, "Intelligent Environments and Active Camera Networks," Proc. IEEE Int'l. Conf. SMC., pp. 804-809, Oct. 2000.
	BQ	Tsai, R. "A Versatile Camera Calibration Technique for High-Accuracy 3D Machine Vision Metrology Using Off-the-Shelf TV Cameras and Lenses," IEEE J. of Robotics and Automation, Vol. RA-3, No. 4, pp. 323-344, Aug. 1987.
	BR	Turk, M. and A. Pentland, "Face Recognition Using Eigenfaces," Proc. IEEE Conf on CVPR, pp. 586-591, Jan. 1991
	BS	Weng, J., C.H. Evans, and W.S. Hwang, "An Incremental Method for Face Recognition under Continuous Video Stream," IEEE Conf. on Auto. Face and Gesture Recog., pp. 251-256, Mar. 2000
	BT	Wren, C., A. Azarbnjeh, T. Darell, and A. Pentland, "Pfindex: Real-Time Tracking of the Human Body," IEEE Trans. on Pattern Analysis and Machine Intelligence, Vol. 19, No. 7, pp. 780-785, Jul. 1997.
	BU	Yamaguchi, O., K. Fukui, and K. Maeda, "Face Recognition using Temporal Image Sequence," Proc. IEEE Conf. On Auto. Face and Gesture Recog., pp. 318-323, Apr. 1998

Examiner Signature	Date Considered
EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	